

ABSTRACT OF THE DISCLOSURE

Operation processing is performed on a first fluorescence image and at least either one of a second fluorescence image and a reflected reference light image to form a tissue condition image, which represents a tissue condition of living body tissues and has been compensated for a distance to the living body tissues. According to at least one of the three images, a judgment is made as to whether each image area in the tissue condition image is an abnormal light affected area or a normal light detection area. The abnormal light affected area is displayed in a form different from the normal light detection area.

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